

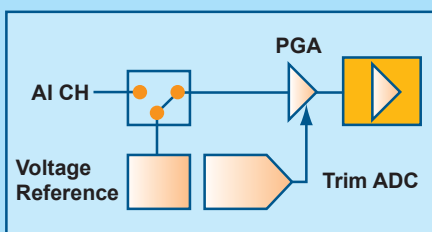


PXI-2000 Series

- 1 Software Solutions
- 2 PXI/ CompactPCI Platforms
- 3 PXI-Based Instruments**
- 4 PXI/ CompactPCI Modules
- 5 PCI DAQ Cards
- 6 PCI DIO Cards
- 7 PC/104-Plus Products

Automatic calibration

The auto-calibration function of the PXI-2000 is performed with trim DACs to calibrate the offset and gain errors of analog input and output channels. Once the calibration process completes, the calibration constant will be stored in an EEPROM to allow these values to be loaded and used as needed by the board.



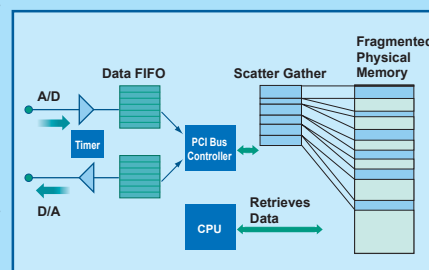
Because all the calibration is conducted automatically by software, users do not have to hassle with adjusting trimpots to calibrate the board.

Multiple card synchronization

The PXI-2000 series uses PXI trigger bus to synchronize the operation of multiple PXI-2000 cards. This allows users to integrate multiple cards into a system with card-to-card synchronization.

Bus-mastering DMA with scatter-gather

The scatter/gather bus mastering DMA can transfer data to and from fragmented physical memory intelligently without CPU intervention. The DMA controller has a built-in linking table that tells the



DMA controller the memory address and amount of data to transfer. It can also automatically load the next linking address to transfer data to or from the next memory segment. With this mechanism, scatter/gather bus mastering allows the DMA controller to transfer data to and from memory up to the size limited by the system. Therefore, it allows user to efficiently acquire huge amount of data into cost effective system memory.

- 8 ISA DAS/ DIO Cards
- 9 Wiring Termination Boards
- 10 Motion Control Cards
- 11 Machine Vision Products
- 12 Remote I/O Modules